

Cruise Narrative

Sale Name:	STEVEN LEFT	Region:	Olympic
App. #:	N/A	District:	Coast
Lead cruiser:	Darryl R. Dillard	Completion date:	04/02/04
Other cruisers on sale: None			

Unit acreage specifications:

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	54.7	Yes	
Total	54.7		

Unit cruise specifications:

Unit #	Sample type (VP, FP, ITS,100%)	Expansion factor (BAF, full/half)	Sighting height (4.5 ft, 16 ft.)	Grid size (Plot spacing or % of area)	Plot ratio (cruise: count)	Total number of plots
1	VP	54.44 F	D4'H	220'x180'	33:28	61

File/Cruise Description:

Minor species cruise intensity:	VP cruised minor species same as major species in order to use the "SuperAce" cruise program.					
Minimum cruise spec:						
Avg ring count by sp:	DF =	N/A	WH =	5 RPI	SS =	N/A
Leave/take tree description:	Any tree marked with a BLUE band and a butt mark is a 'leave tree', these trees were not counted or cruised when they fell in plots.					
Other conditions						

Field observations:

This 80 year old stand is dominated by fair quality '2 saw' type Western Hemlock with Douglas Fir and Sitka Spruce present as minor species. The majority of defect observed is attributable to surface rot showing in the first log, also some minor 'snow-break' was seen in the Douglas Fir. A minimal amount of 'blow-down' damage has occurred in the southwest portion of the unit. The topography is flat.

Grants: 03

Prepared by: Darryl R. Dillard

Title: Forest Cruiser

CC:

TC		PSPCSTGR Species, Sort Grade - Board Foot Volumes (Project)																	
T21N R10W S36 Ty0001 54.70				Project: STEVNLFT										Page 1					
				Acres 54.70										Date 4/8/2004					
														Time 10:37:52AM					
S Spp	So T	Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log			Logs Per /Acre
								Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf	
				4-5	6-11	12-16		17+	12-20	21-30	31-35	36-99							
WH	DM2S		51	8.2	19,133	17,557	960	1	73	27	100				32	247	1.80	71.0	
WH	DM3S		44	5.6	16,047	15,145	828	4	81	11	3	1	4	96	31	82	0.66	184.6	
WH	DM4S		5	.8	1,476	1,465	80	69	31			43	45	12	16	17	0.29	84.2	
WH Totals			88	6.8	36,656	34,167	1,869	5	38	42	15	2	4	94	27	101	0.89	339.8	
SS	DM2S		11		78	78	4	100				100				32	190	1.66	.4
SS	DM3S		42	14.7	341	291	16	23 77				100				32	126	1.22	2.3
SS	DM4S		47	22.5	419	325	18	38	8	15	39	24	15	61	20	47	0.78	6.9	
SS Totals			2	17.2	838	693	38	18	13	51	18	11	7	82	24	72	0.97	9.7	
DF	DM2S		78	10.3	3,342	2,996	164	4 27 68				100				32	360	2.51	8.3
DF	DM3S		20	4.1	815	782	43	4	59	37		12 88				31	97	0.81	8.1
DF	DM4S		2		61	61	3	14	73	13		100				12	16	0.37	3.9
DF Totals			10	9.0	4,218	3,839	210	1	17	29	53	2	2	96	28	189	1.58	20.3	
Totals				7.2	41,712	38,699	2,117	5	35	41	19	2	4	94	27	105	0.93	369.7	

TC PSTATS				PROJECT STATISTICS				PAGE 1				
				PROJECT	STEVNLFT		DATE 4/8/2004					
TWP	RGE	SC	TRACT	TYPE	ACRES		PLOTS	TREES	CuFt	BdFt		
21N	10W	36	UNIT1	0001	54.70		61	283	S	W		
				PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			61	283	4.6							
CRUISE			33	149	4.5		8,186	1.8				
DBH COUNT												
REFOREST												
COUNT			25	134	5.4							
BLANKS			3									
100 %												
STAND SUMMARY												
			SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
WHEMLOCK			125	135.5	17.3	80	41	222.2	36,656	34,167	8,279	8,279
DOUG FIR			15	6.5	25.1	90	5	22.3	4,218	3,839	887	887
S SPRUCE			9	7.7	13.9	47		8.0	838	693	221	221
TOTAL			149	149.7	17.6	79		252.6	41,712	38,699	9,386	9,387
			COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD:	1		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK			76.7	6.3	283	302	321					
DOUG FIR			366.7	30.0	64	91	118					
S SPRUCE			542.8	44.5	8	15	21					
TOTAL			79.2	6.5	381	408	434	251	63	28		
			COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK			73.2	6.0	69	73	77					
DOUG FIR			356.1	29.2	14	20	26					
S SPRUCE			577.4	47.3	3	6	8					
TOTAL			72.0	5.9	93	99	105	207	52	23		
			COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK			78.5	10.0	122	136	149					
DOUG FIR			270.5	34.6	4	6	9					
S SPRUCE			553.9	70.9	2	8	13					
TOTAL			76.9	9.9	135	150	164	237	59	26		
			COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK			66.8	8.6	203	222	241					
DOUG FIR			219.9	28.2	16	22	29					
S SPRUCE			346.4	44.4	4	8	12					
TOTAL			57.8	7.4	234	253	271	134	33	15		
			COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK			71.2	9.1	31,051	34,167	37,282					
DOUG FIR			220.9	28.3	2,753	3,839	4,925					
S SPRUCE			333.6	42.7	397	693	990					
TOTAL			61.7	7.9	35,643	38,699	41,755	152	38	17		
			COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK			69.3	8.9	7,545	8,279	9,013					
DOUG FIR			219.2	28.1	638	887	1,136					
S SPRUCE			339.8	43.5	125	221	317					
TOTAL			59.4	7.6	8,672	9,387	10,101	141	35	16		

TC PSTATS				PROJECT STATISTICS				PAGE	2
				PROJECT	STEVNLFT				
								DATE	4/8/2004
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
21N	10W	36	UNIT1	0001	54.70	61	283	S	W